

Embryonal Rhabdomyosarcoma

By Andrew Pelsler

A Case Report

- 13 year old girl presented at HHH on the 12/11/07 with 6/52 history of swelling/fullness throat but otherwise well.
- Associated: Nil dysphagia/ Odynophagia/ Otagia/ LOW/ Pyrexia
- PMH: Nil of note

- Allergies: Nil known
- Social: Grade 7 doing well, intact family unit, No alcohol/tobacco/recreational
- Examination HHH: Cystic swelling involving left palatopharyngeal arch. Nil else noted. Surgeon at HHH attempted marsupialisation. Found pink frail tissue. Biopsy. Discharge and follow-up planned at HHH SOPD.

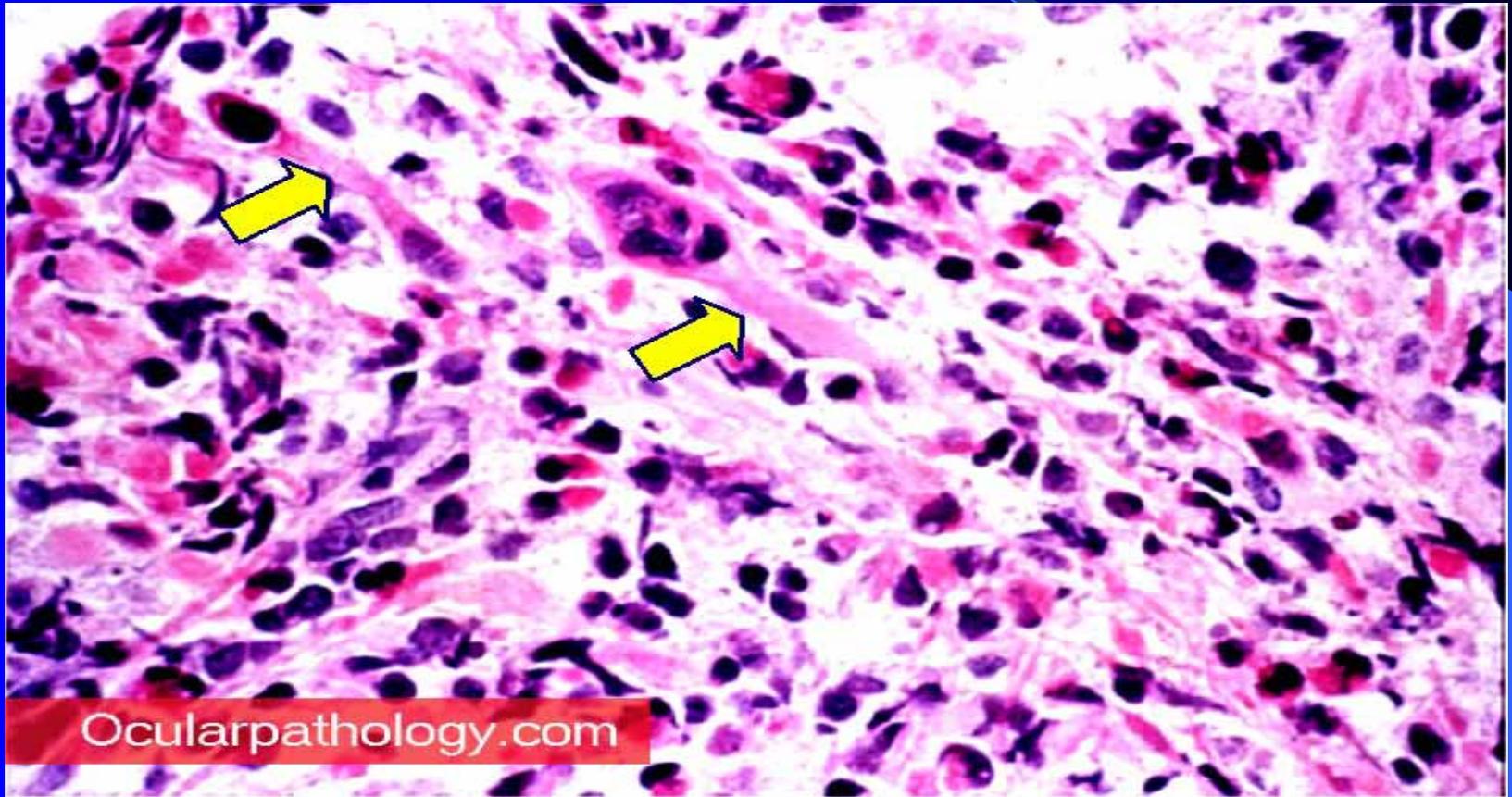
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- 72 hours post biopsy presented with sepsis at HHH and treated with penicillin and metronidazole.
- Referred to TBH ENT 19/11/07
- Examination TBH ENT: Lesion 2 x 3 cm involving left peritonsillar region extending towards the uvula. Bilateral submandibular and submental lymphadenopathy. Nil else.

Histology 15/11/07

- Macroscopy: Several pieces of white-brown tissue
- Microscopy: Sheets of small blue cells arranged in hyper- and hypocellular areas. Cells are pleomorphic with variable amounts of eosinophilic cytoplasm and occasional bizarre nuclei. Few mitoses.
- Special stains: APAS pos, Desmin pos, Myogenin pos

Embryonal rhabdomyosarcoma



Referred to Paediatric Oncology TBH

- Consultant: Professor Wessels
- Initiated chemotherapy after basic work-up: FBC, Electrolytes, LFT's, Viruses, Retroviral status, TB, Bone marrow, Bone scan
- Chemotherapy: Modified MMT-95 stage II-III (Ifosfamide, Vincristine, Actinomycin D) 26/11/07

Results

- HIV: non-reactive
- EBV:IgG pos
- CMV: IgG pos
- Hep A Ag: pos
- Hep B Ab: pos
- Hep C: neg

Results Continue

- Bone scan 22/11/07: increased osteoblastic activity in region of tumour, but no distal bony metastasis
- Bone Marrow 23/11/07: all cell lines present but cellularity only 20-30%
- Mantoux: 15mm
- Peripheral TB blood test: pos

Radiological Investigations

- CT scan 22/11/07
- Lesion occupying nasopharynx from soft palate to 1 cm above epiglottis on left
- No LA seen
- Sagittal view



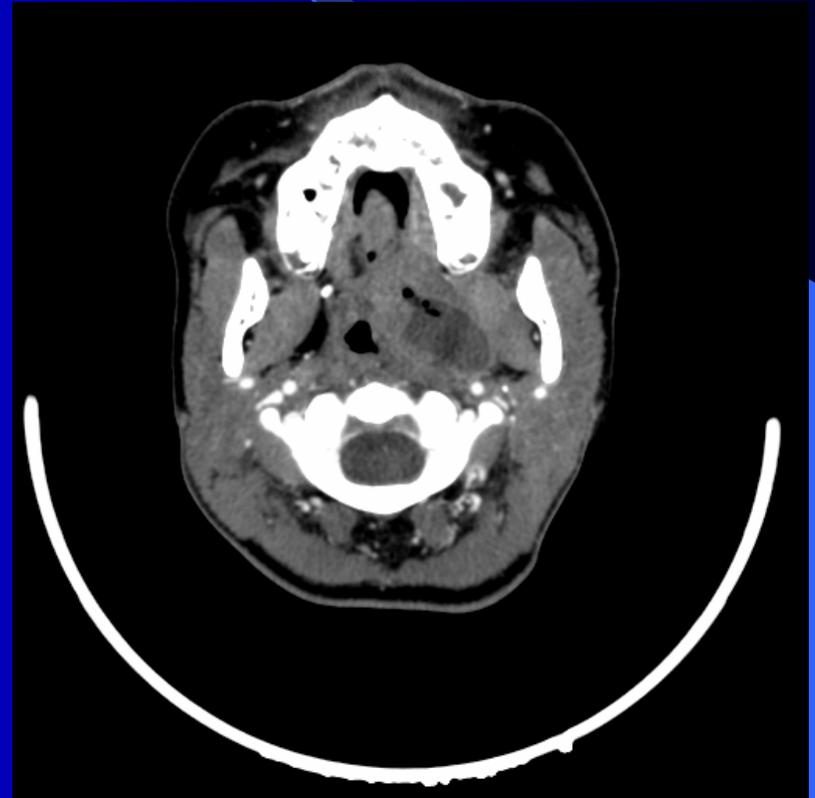
CT 22/11/07

- Coronal view

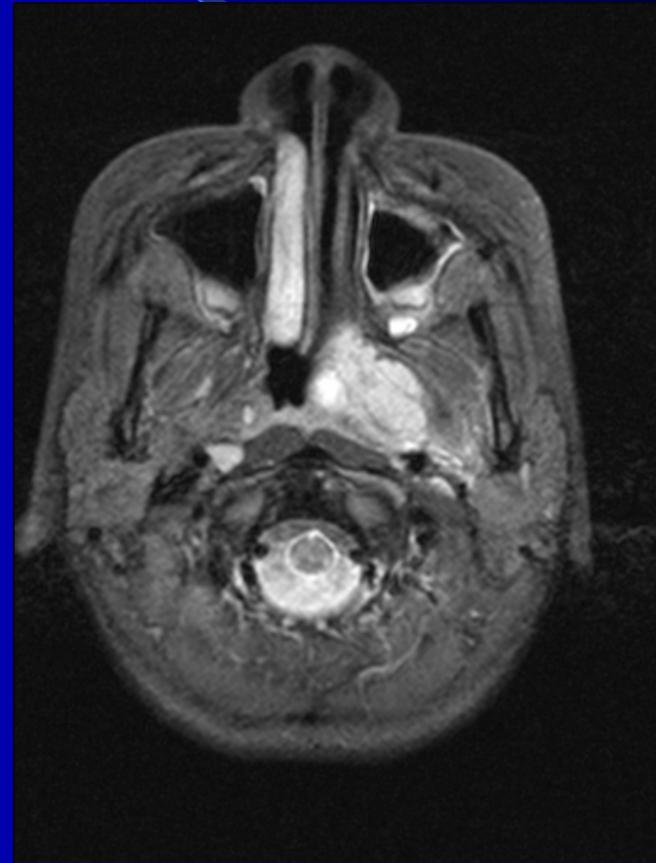
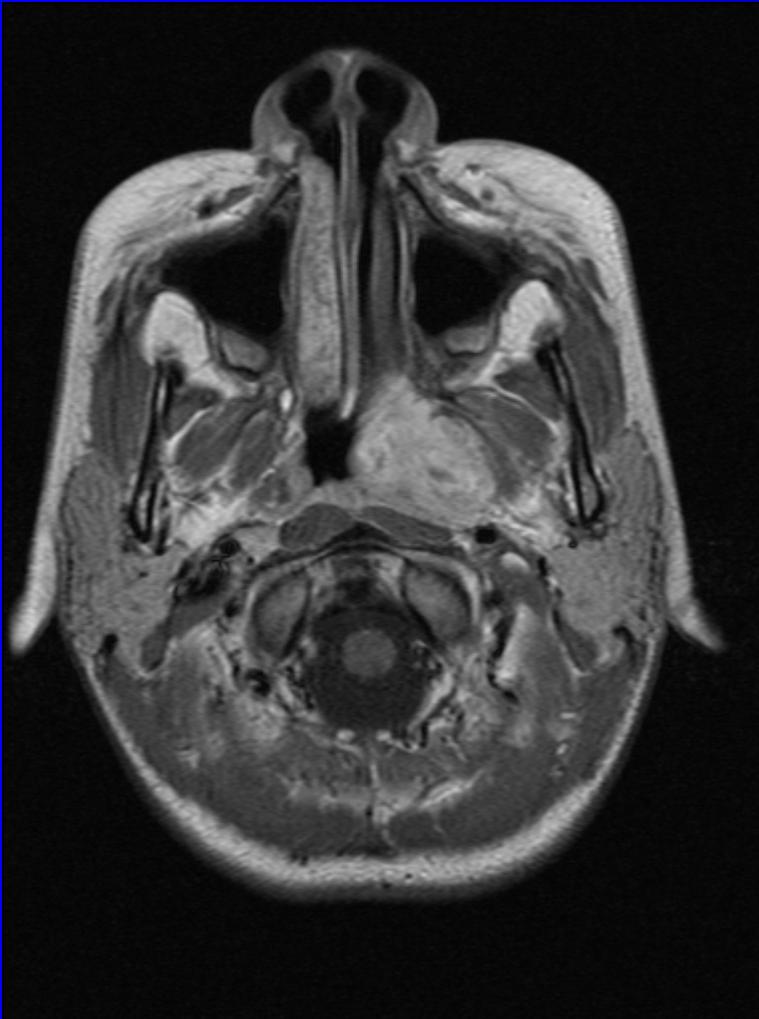


CT 22/11/07

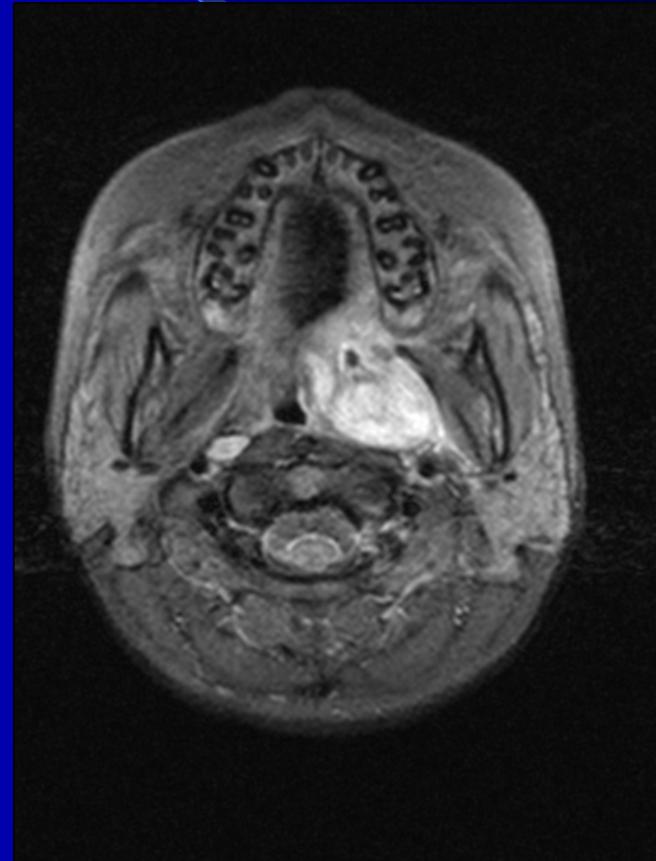
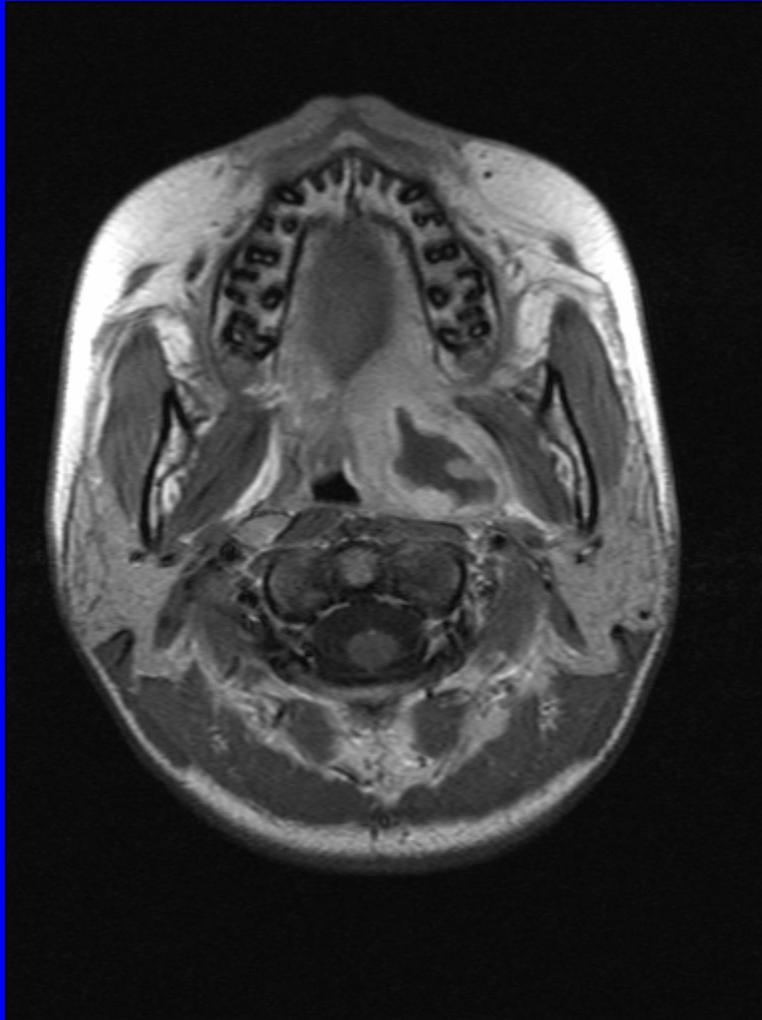
- Axial view



MRI 28/11/07 Axial view Gadolinium and Without



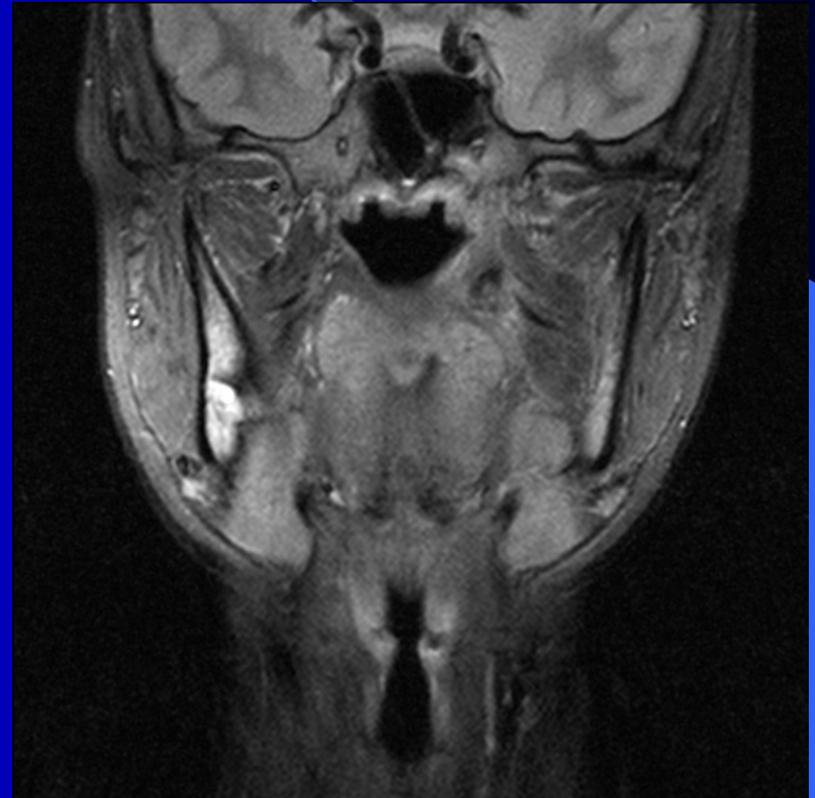
MRI 28/11/07 Axial Gandolinium and Without



MRI 28/11/07

MRI 15/01/08

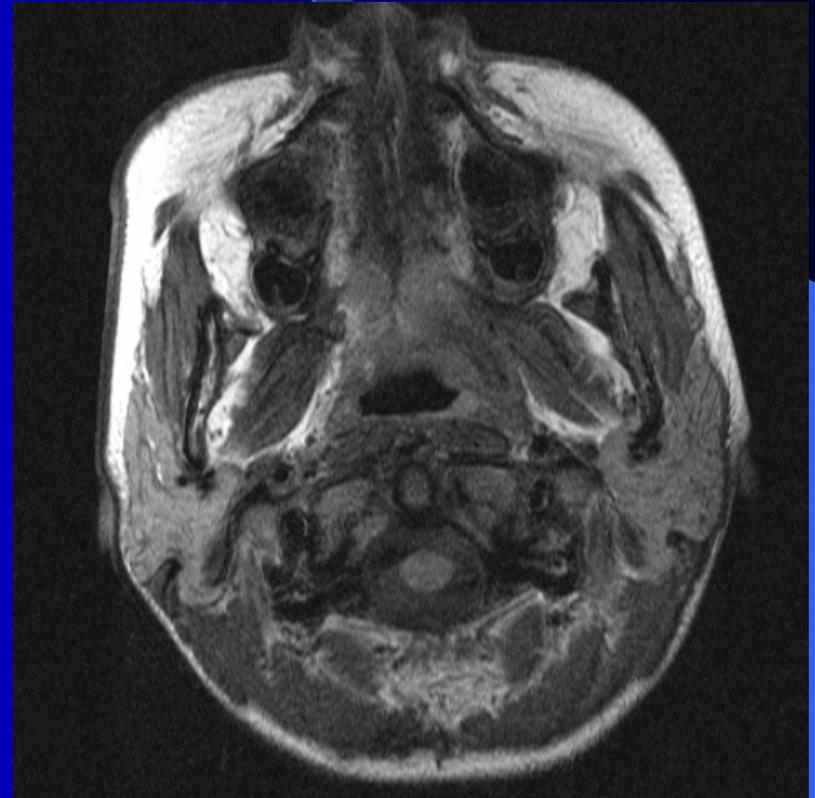
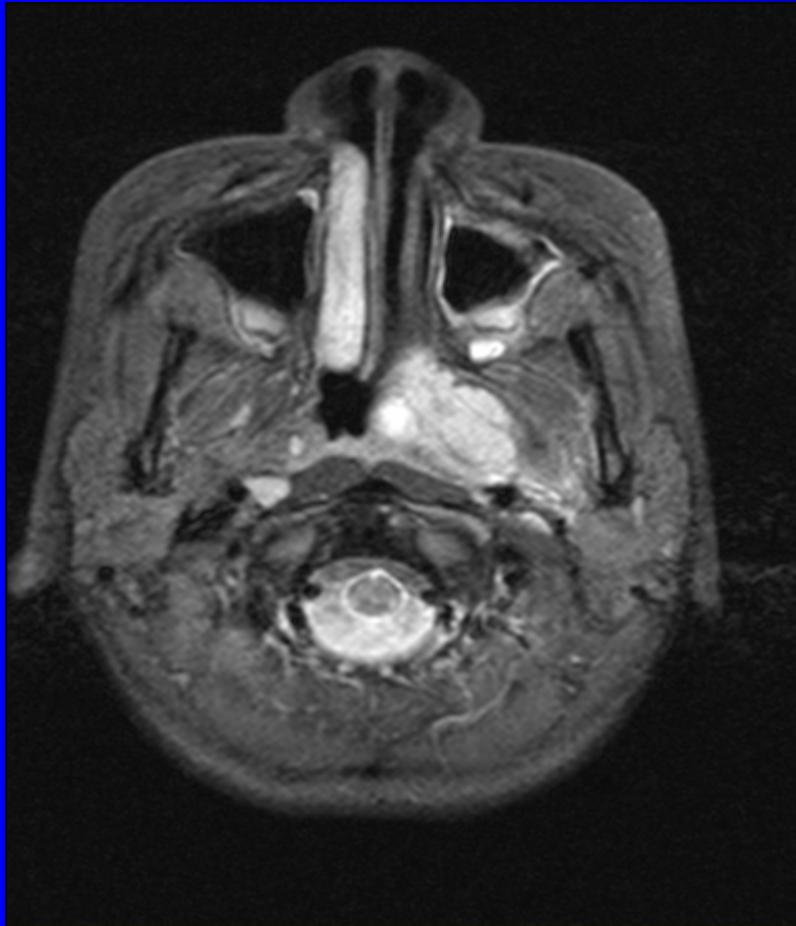
Coronal view



MRI 28/11/07

MRI 15/01/08

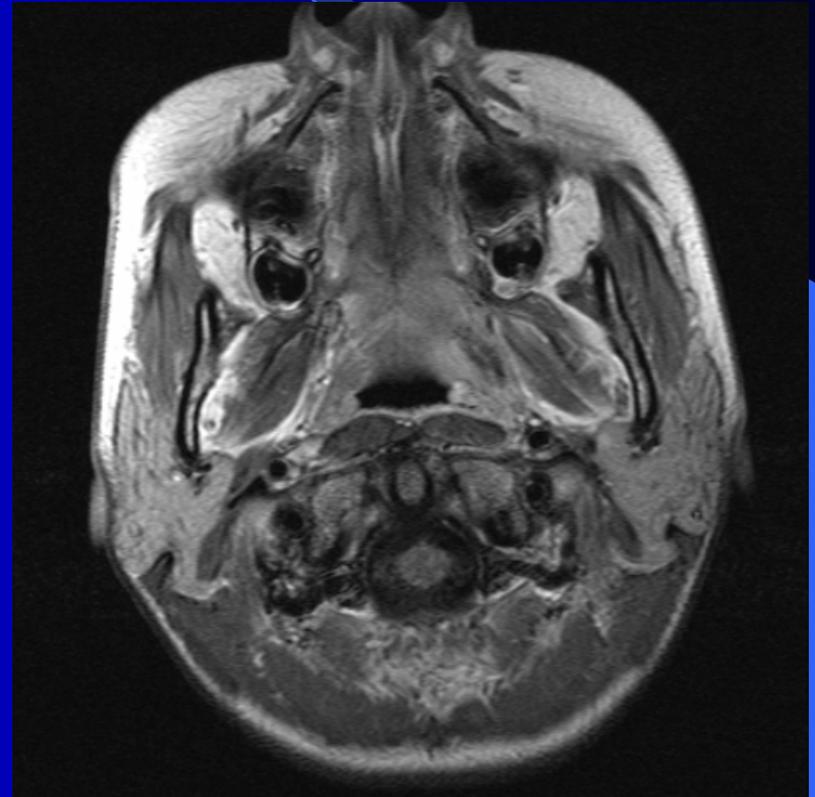
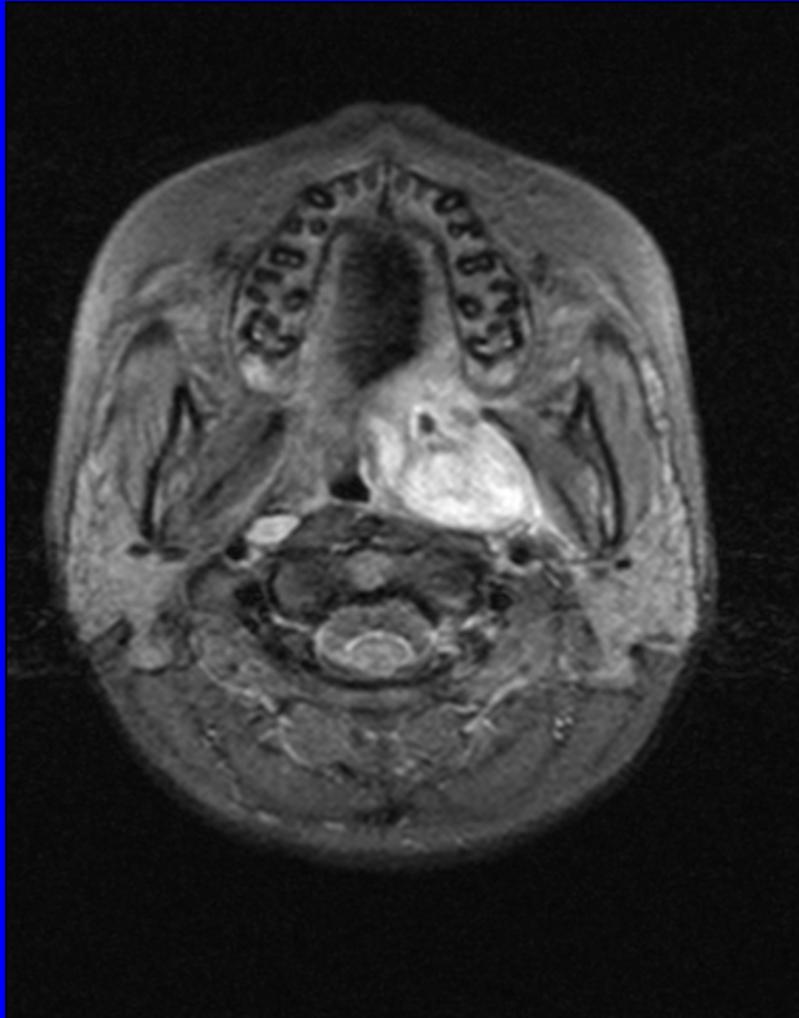
Axial view



MRI 28/11/07

MRI 15/01/08

Axial views



MRI 28/11/07

MRI

15/01/08

Sagittal view

